

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/0 05216

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C07D413/14 A61K31/4545 A61P25/00 A61K31/5377 A61K31/496  
C07D401/14

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/029210 A (MERCK & CO. INC; COSFORD, NICHOLAS, D; ROPPE, JEFFREY; CHEN, CHIXU; SM) 10 April 2003 (2003-04-10) page 1, line 9 – line 16; claims 1,24 -----	1-38
P, Y	WO 2004/014902 A (ASTRAZENECA AB; NPS PHARMACEUTICALS, INC; WENSBO, DAVID; XIN, TAO; STE) 19 February 2004 (2004-02-19) page 25, line 28 – page 26, line 28; claims 1,9 page 14, lines 24,25 -----	1-38
A	DATABASE CAOLD CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1958, XP002330110 Database accession no. CA52:17236I RN 103509-77-9, 103509-78-0, 114327-44-5 -/-	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

• Special categories of cited documents :

- A• document defining the general state of the art which is not considered to be of particular relevance
- E• earlier document but published on or after the International filing date
- L• document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O• document referring to an oral disclosure, use, exhibition or other means
- P• document published prior to the International filing date but later than the priority date claimed

- T• later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X• document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y• document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- &• document member of the same patent family

Date of the actual completion of the International search

1 June 2005

Date of mailing of the International search report

10/06/2005

Name and mailing address of the ISA

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10/588754  
IAP11 Rec'd PCT/PTO 08 AUG 2006

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	& MONATSCH., vol. 89, 1958, pages 83-87, -----	

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2005/005216

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 33–38 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/US2005/005216

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 03029210	A 10-04-2003	CA 2462289	A1	10-04-2003
		EP 1434773	A2	07-07-2004
		JP 2005508344	T	31-03-2005
		WO 03029210	A2	10-04-2003
		US 2004186295	A1	23-09-2004
WO 2004014902	A 19-02-2004	AU 2003264018	A1	25-02-2004
		CA 2495179	A1	19-02-2004
		WO 2004014902	A2	19-02-2004
		US 2004106607	A1	03-06-2004